

Species	Strain or Clone	Detection by real-time PCR	Species	Strain or Clone	Detection by real-time PCR
Positive controls					
<i>K. brevis</i>	Apalachicola B5	+	<i>Praesinophytes</i>	850001	-
<i>K. brevis</i>	Apalachicola C8	+	<i>Tetraselmis</i> sp.	CCMP961	-
<i>K. brevis</i>	Charlotte Harbor A2	+	<i>Tetraselmis</i> sp.	CCMP1536	-
<i>K. brevis</i>	Charlotte Harbor C2	+	Unidentified species		
<i>K. brevis</i>	Mexico Beach B3	+	<i>Prymnesiophytes</i>	3C	-
<i>K. brevis</i>	Mexico Beach C5	+	<i>Isochrysis</i> sp.	CCMP1325	-
<i>K. brevis</i>	Jacksonville C3	+	<i>Pavlova lutheri</i>	NA	-
<i>K. brevis</i>	Piney Island A3	+	<i>Prymnesium parvum</i>	ST8CH26 clone	-
<i>K. brevis</i>	Piney Island B4	+	Unidentified species	ST1CH3 clone	-
<i>K. brevis</i>	Wilson	+	Unidentified species		
Negative controls			<i>Chlorophytes</i>		
Dinoflagellates			<i>Chlamydomonas euryale</i>	CCMP219	-
<i>K. mikimotoi</i>	CCMP430	-	Unidentified species	ST5SY7 clone	-
<i>Amphidinium carterae</i>	CCMP1314	-	<i>Chlamydomonas</i> sp.	ST2SY2 clone	-
<i>Akashiwo sanguinea</i>	CCMP1321	-	<i>Pycnococcus</i> sp.	ST6SY8 clone	-
<i>Alexandrium tamarense</i>	CCMP1493	-	<i>Cyanophytes</i>		
<i>Glenodinium foliacrum</i>	NA	-	<i>Synechococcus</i> sp.	CCMP836	-
<i>Gymnodinium catenatum</i>	CCMP1937	-	<i>Synechococcus</i> sp.	WH7803	-
<i>Gyrodinium</i> sp.	NA	-	<i>Synechococcus</i> sp.	ST2SY26 clone	-
<i>Kryptoperidinium foliaceum</i>	NA	-	<i>Prochlorococcus</i> sp.	ST2SY33 clone	-
<i>Lingulodinium polyedra</i>	CCMP1738	-	<i>Trichodesmium</i> sp.	ST8SY15 clone	-
<i>Prorocentrum micans</i>	NA	-	<i>Trebouxiophyte Chlorella</i>	CCMP243	-
<i>Scrippsiella trochoidea</i>	NA	-	<i>autotrophica</i>		
<i>Scrippsiella precaria</i>	NA	-	<i>Coscinodiscophyte</i>	CCMP1335	-
Diatoms			<i>Thalassiosira pseudonana</i>		
<i>Phaeodactylum tricornutum</i>	CCMP1327	-	<i>Eustigmatophytes</i>		
<i>Cylindrotheca</i> sp.	ST6CH2 clone	-	<i>Nannochloropsis</i> sp.	ST3CH27 clone	-
<i>Skeletonema</i> sp.	ST4CH31 clone	-	<i>Nannochloropsis</i> sp.	ST1CH4 clone	-
<i>Skeletonema</i> sp.	ST4CH14 clone	-	<i>Xanthophyte Heterococcus</i> sp.	ST6CH33 clone	-
<i>Raphidophyte Heterosigma</i> akashiwo	NA	-			

FIG. 1

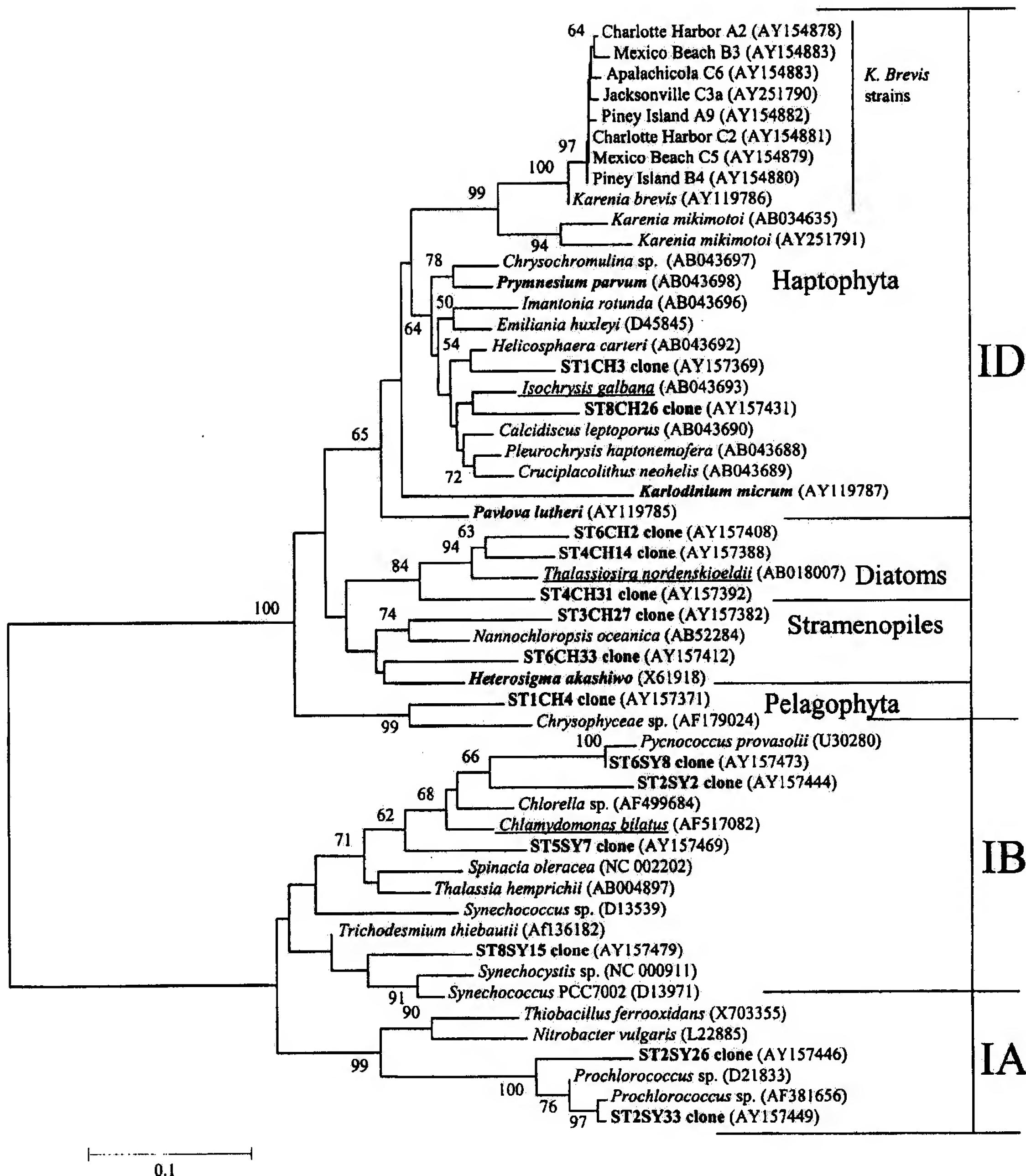


FIG. 2

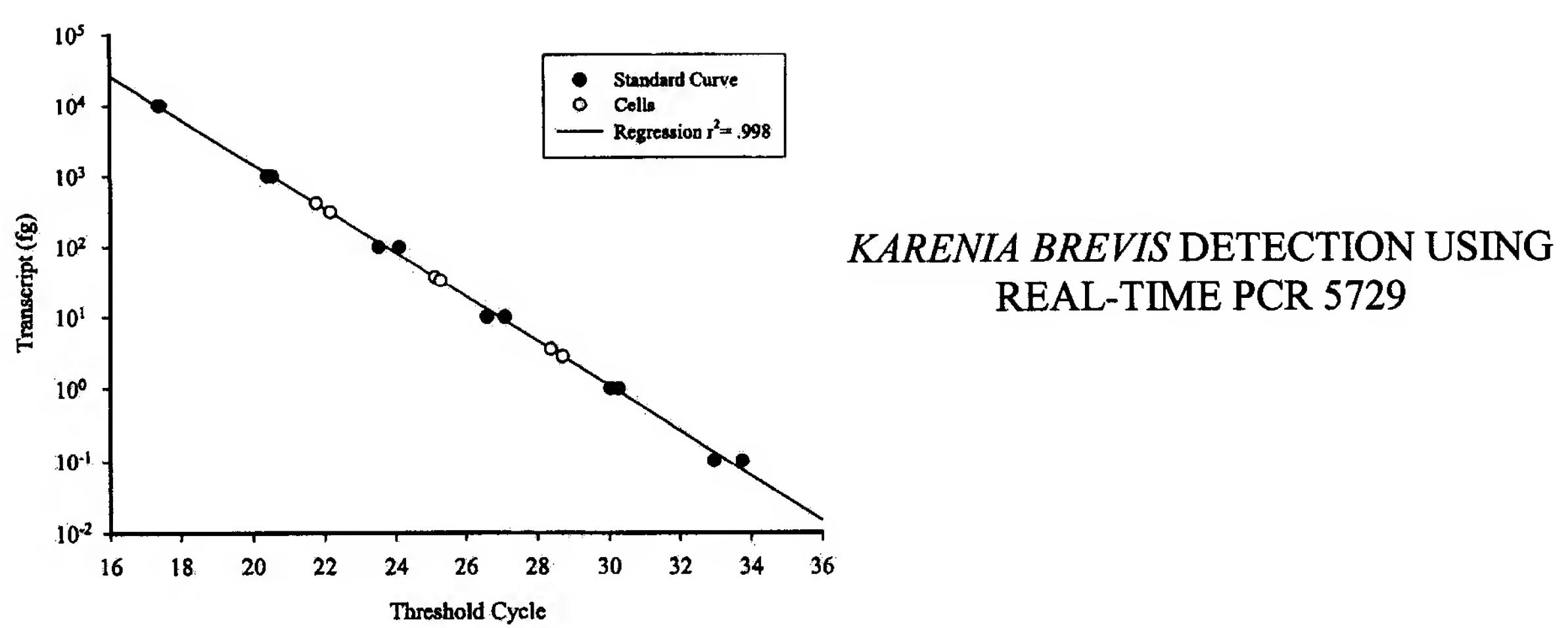
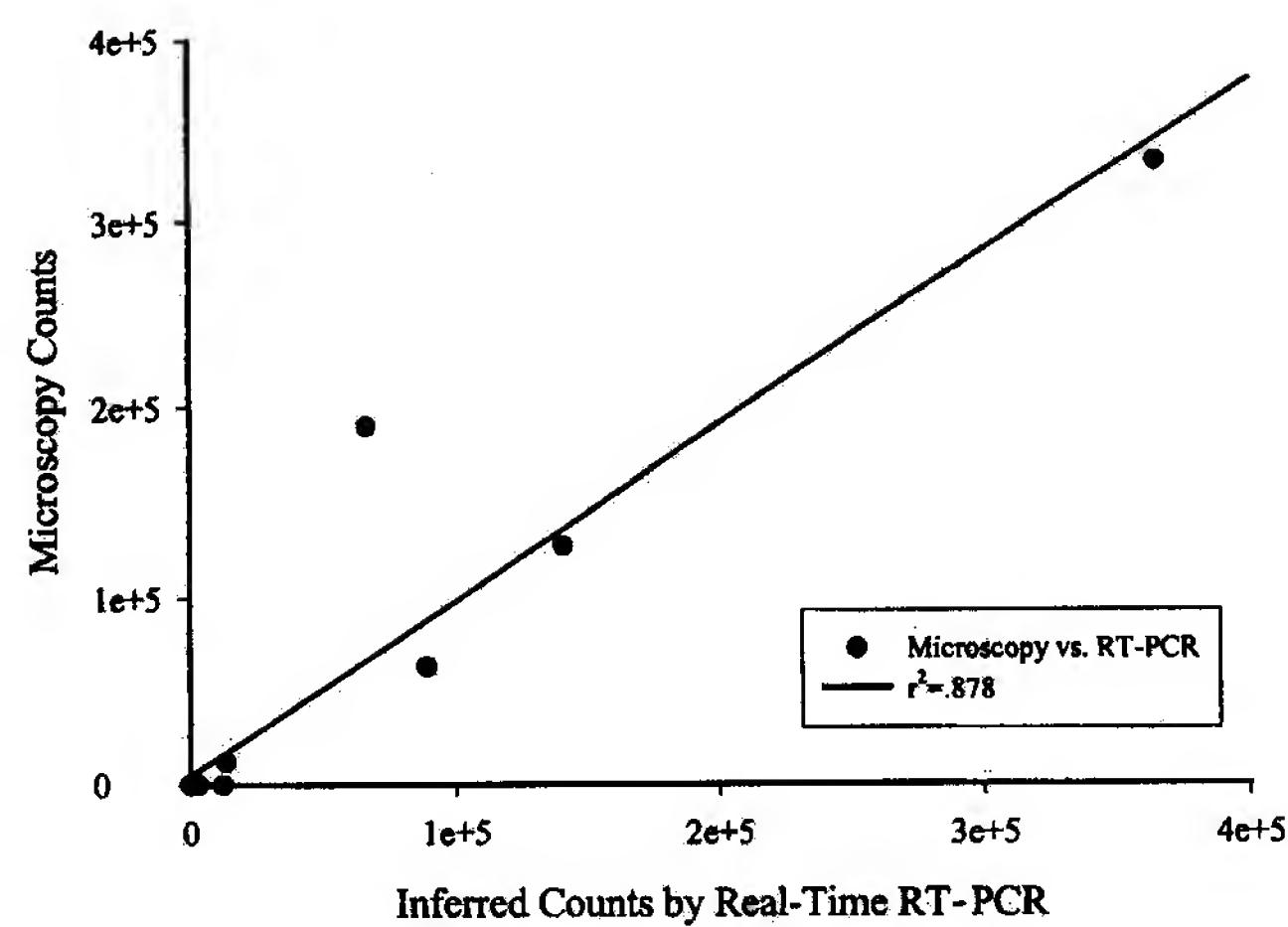


FIG. 3

FIG. 4



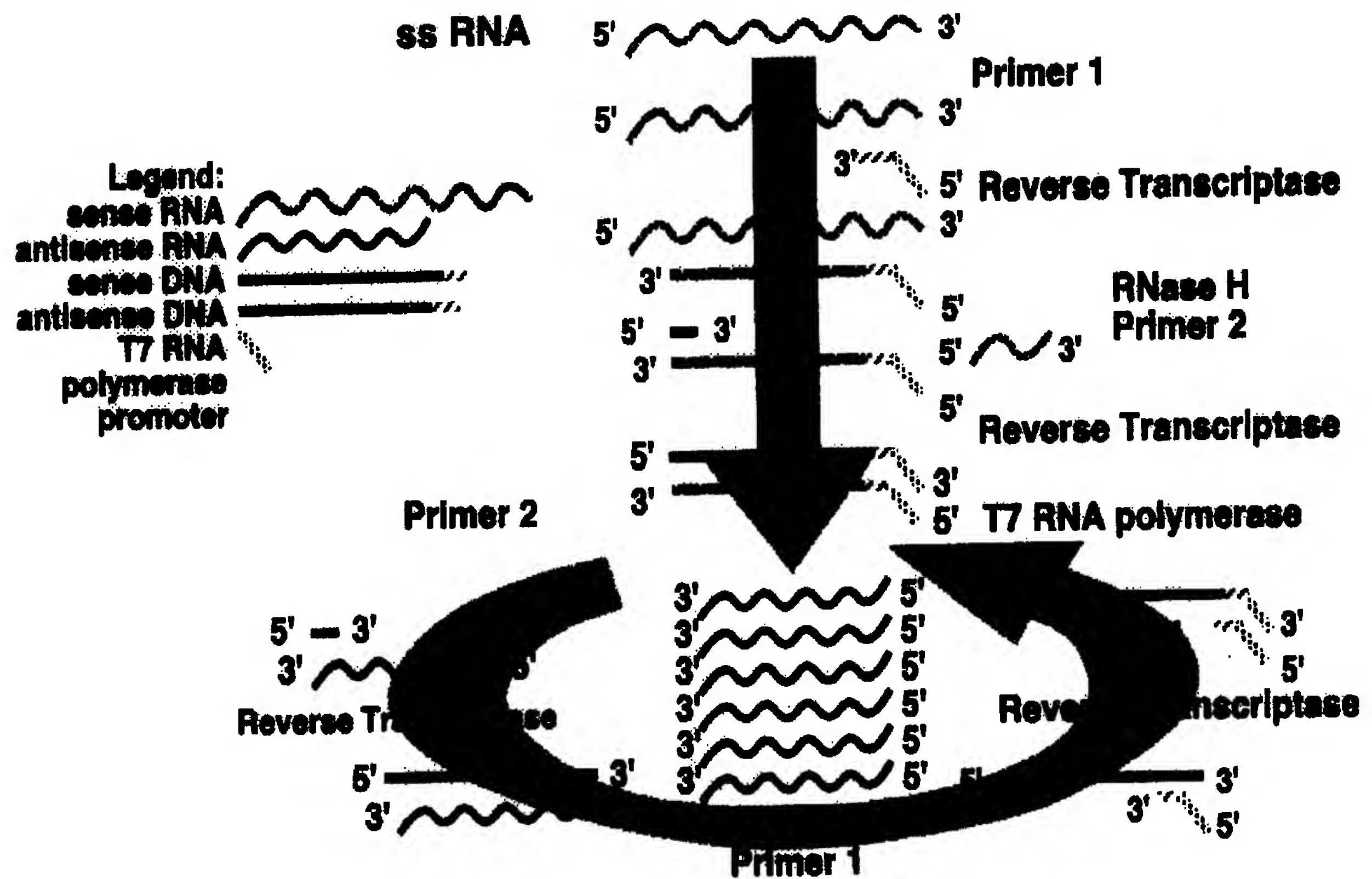


FIG. 5

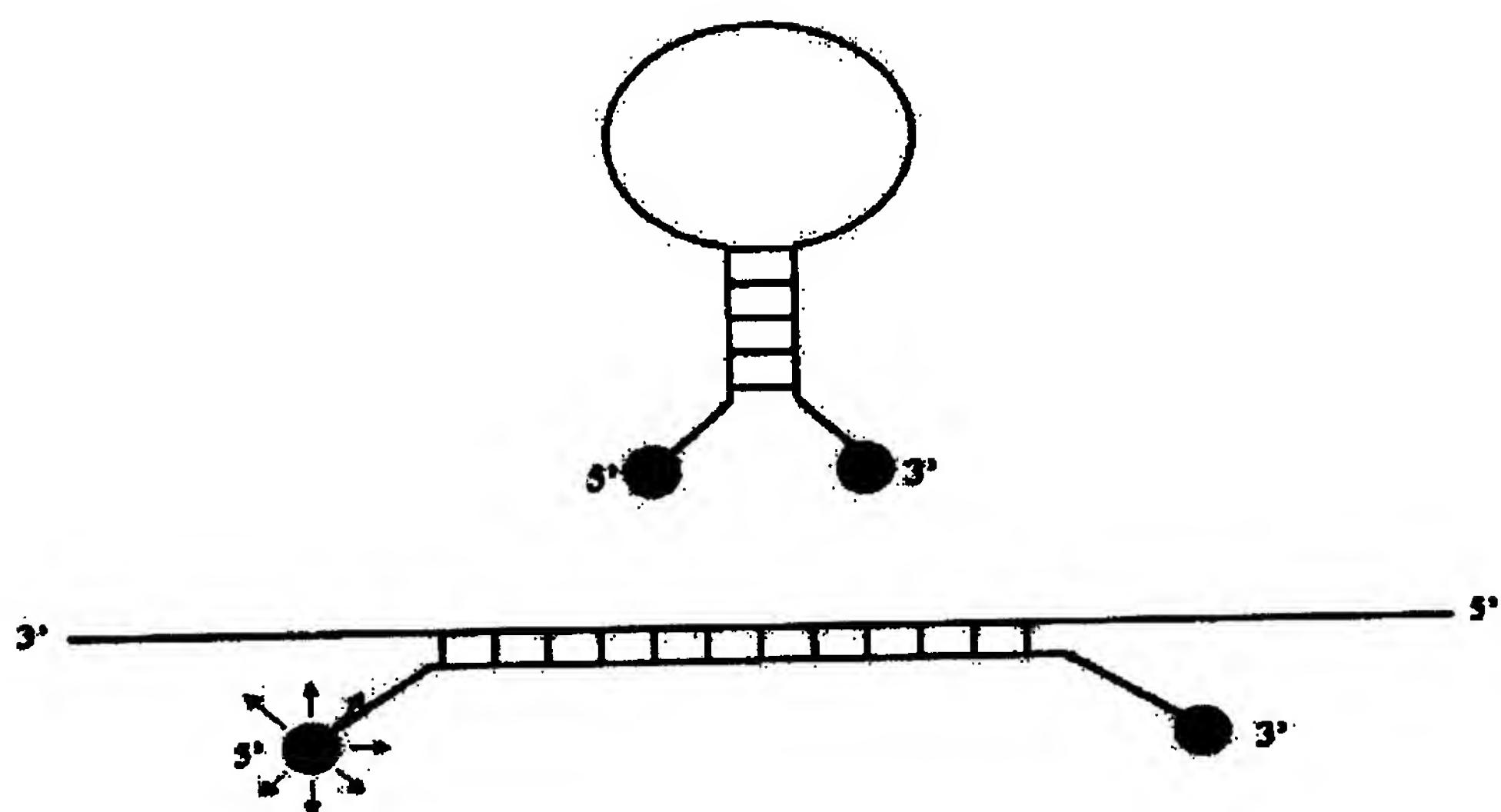


FIG. 6

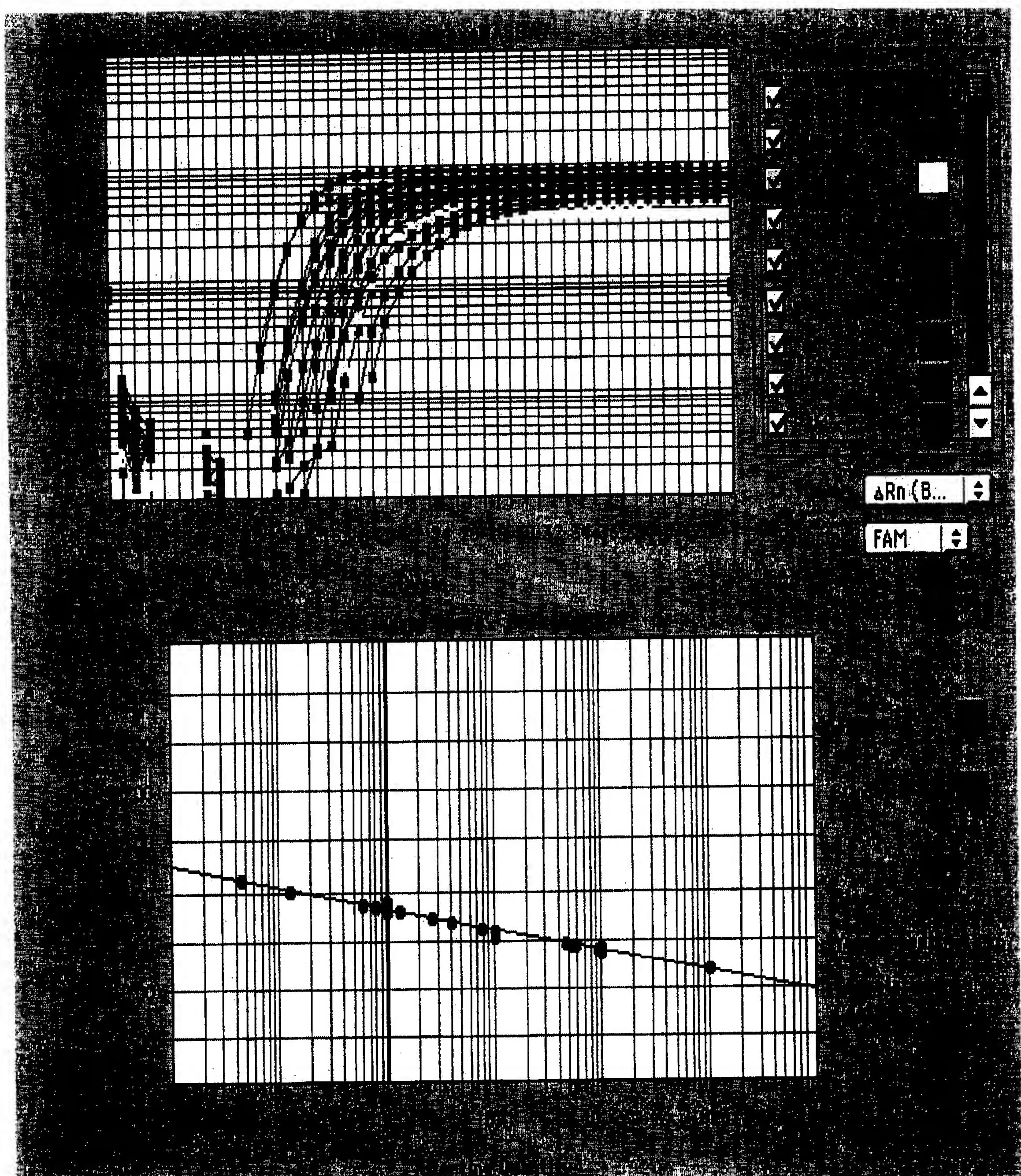


FIG. 7

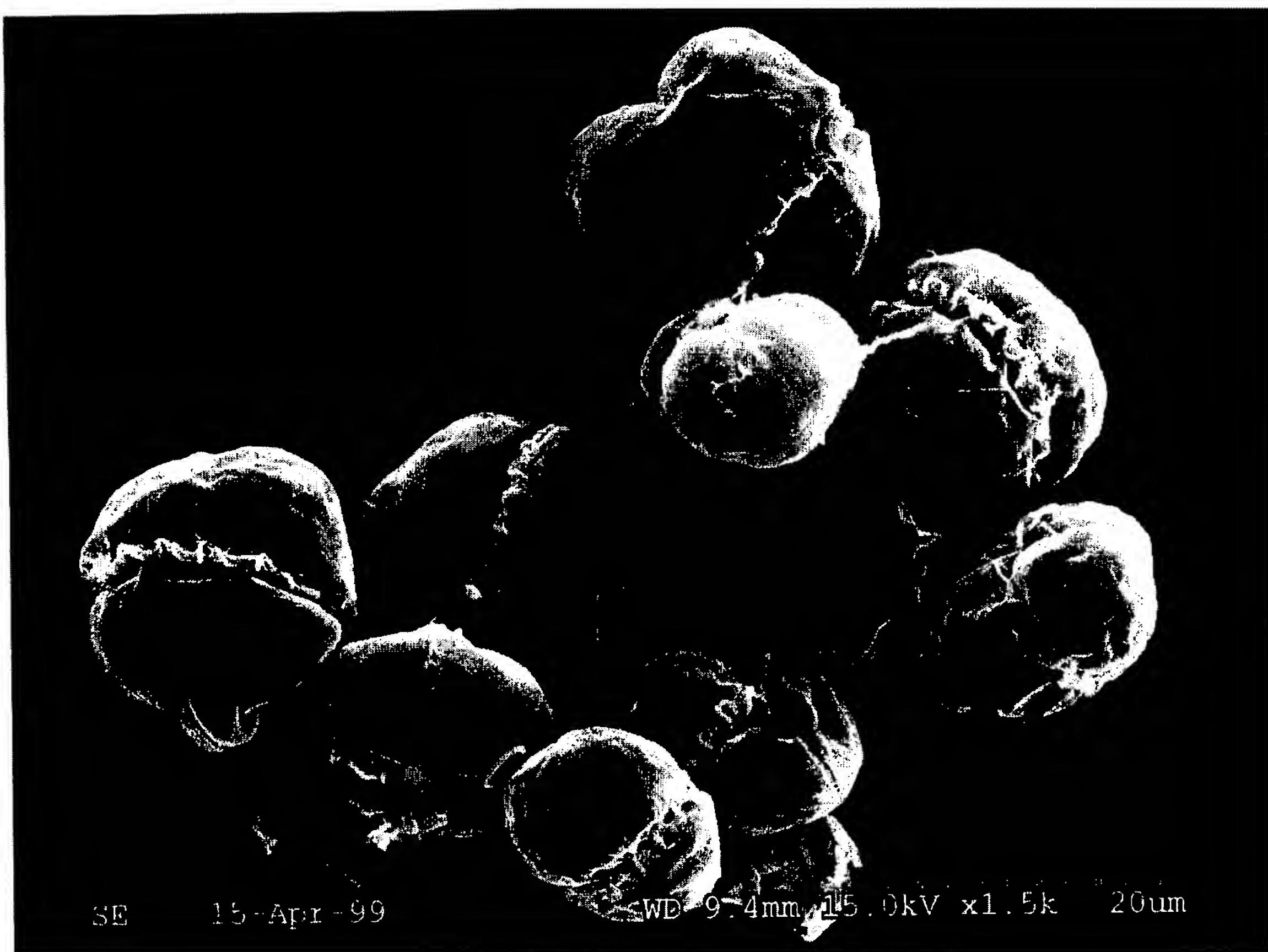


FIG. 8

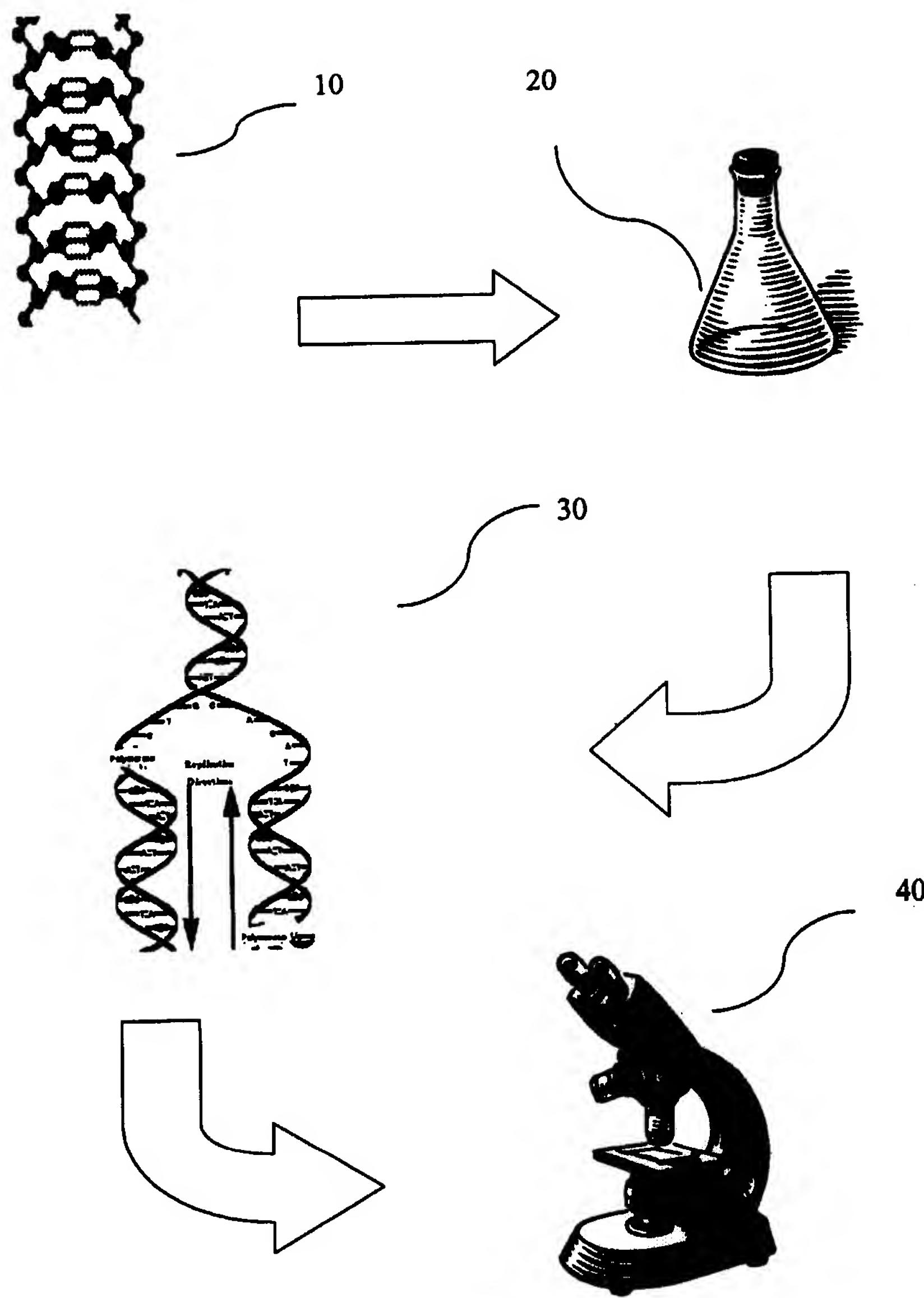


FIG. 9